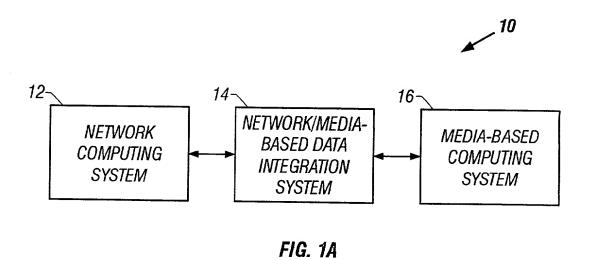
Inventors: Millard E. Sweatt III et al.

Title: Method & System for Remote Television

Replay Control Sheet 1 of 34



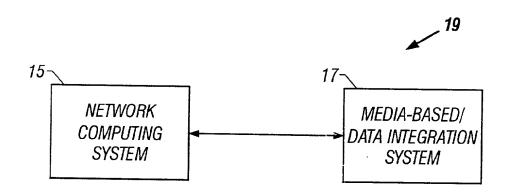
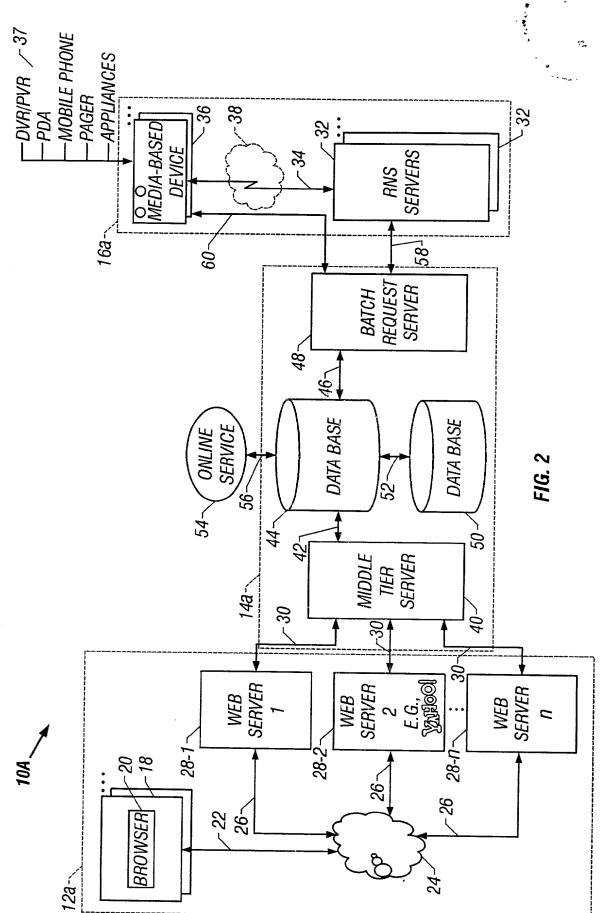


FIG. 1B

APPLICATION NO: 09/925,109 Filed: August 8, 2001 Inventors: Millard E. Sweatt III et al.

Title: Method & System for Remote Television Replay Control
Sheet 2 of 34





APPLICATION NO: 09/925,109 Filed: August 8, 2001 Inventors: Millard E. Sweatt III et al.

Title: Method & System for Remote Television

Replay Control Sheet 3 of 34

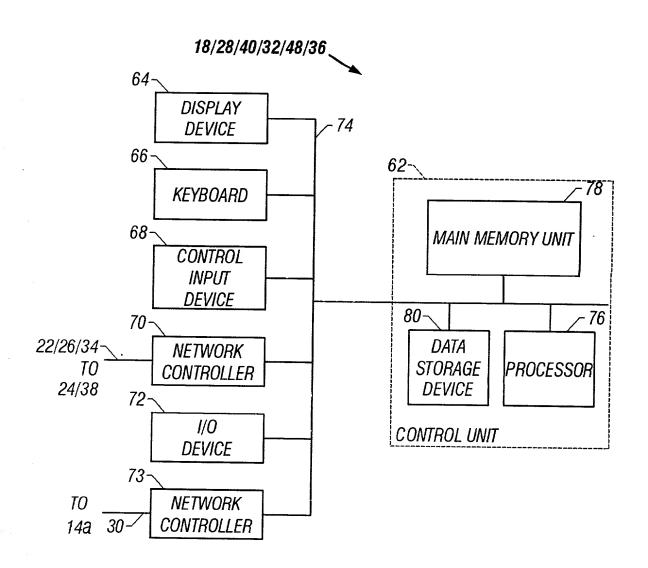


FIG. 3

Inventors: Millard E. Sweatt III et al.

Title: Method & System for Remote Television

Replay Control Sheet 4 of 34

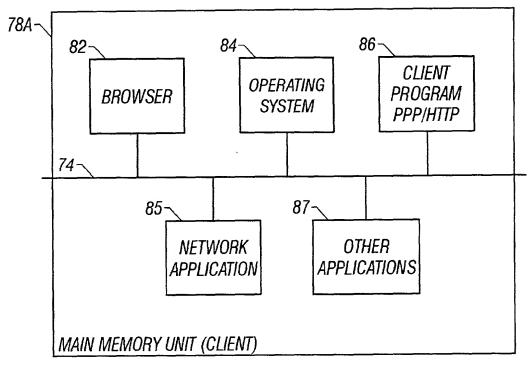


FIG. 4A

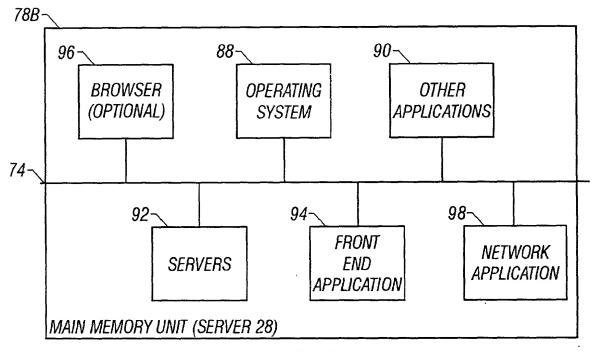


FIG. 4B

Inventors: Millard E. Sweatt III et al.

Title: Method & System for Remote Television

Replay Control Sheet 5 of 34

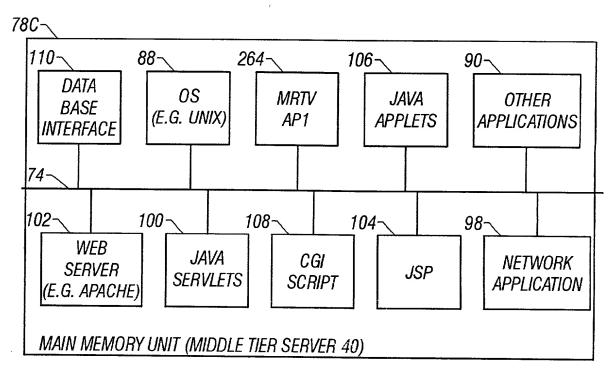


FIG. 4C

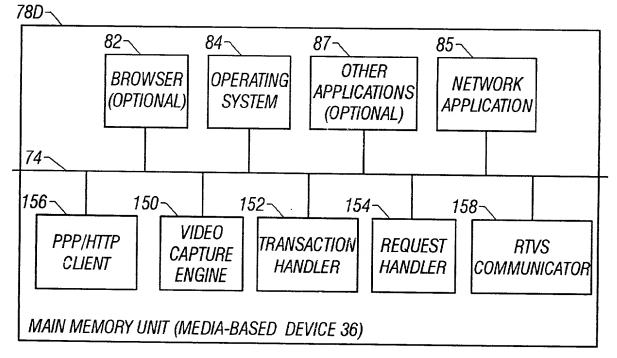
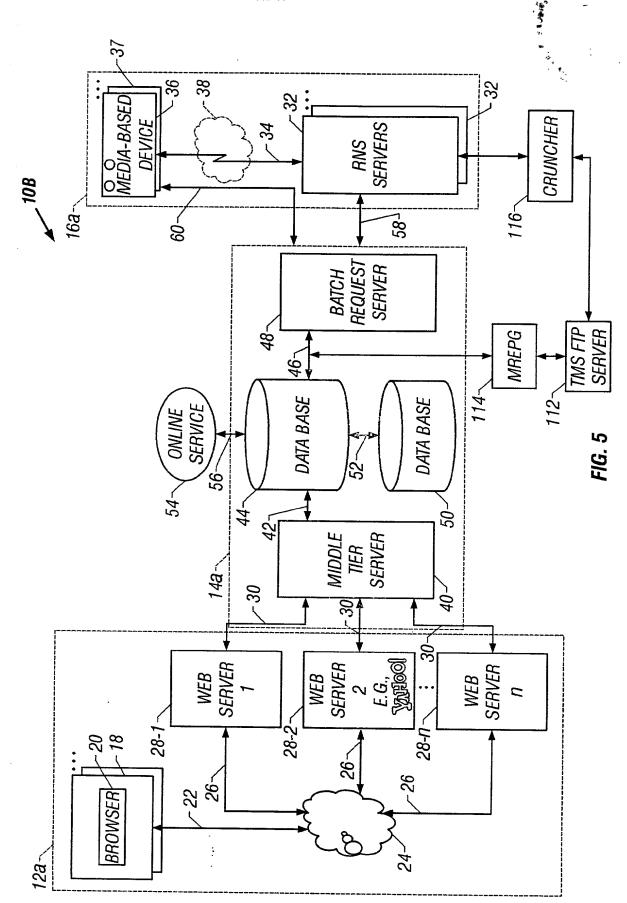


FIG. 4D

APPLICATION NO: 09/925,109
Filed: August 8, 2001
Inventors: Millard E. Sweatt III et al.
Title: Method & System for Remote Television
Replay Control
Sheet 6 of 34



Inventors: Millard E. Sweatt III et al.

Title: Method & System for Remote Television

Replay Control Sheer 7 of 34

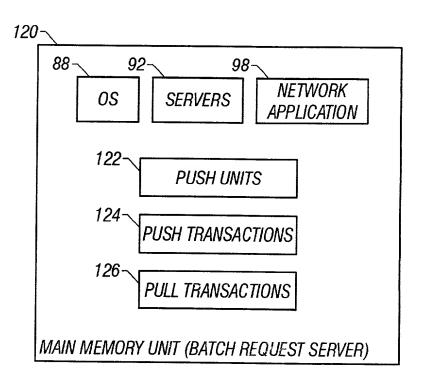


FIG. 6

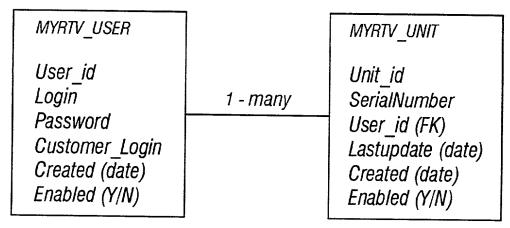


FIG. 7

Inventors: Millard E. Sweatt III et al.

Title: Method & System for Remote Television

Replay Control
Sheet 8 of 34

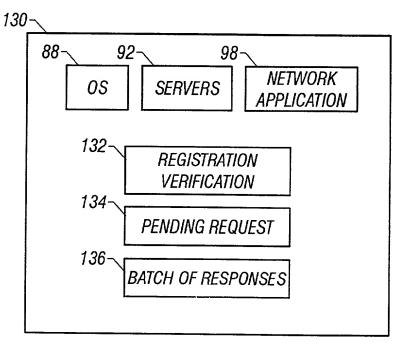


FIG. 8

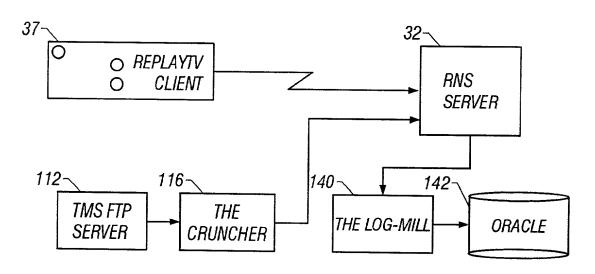
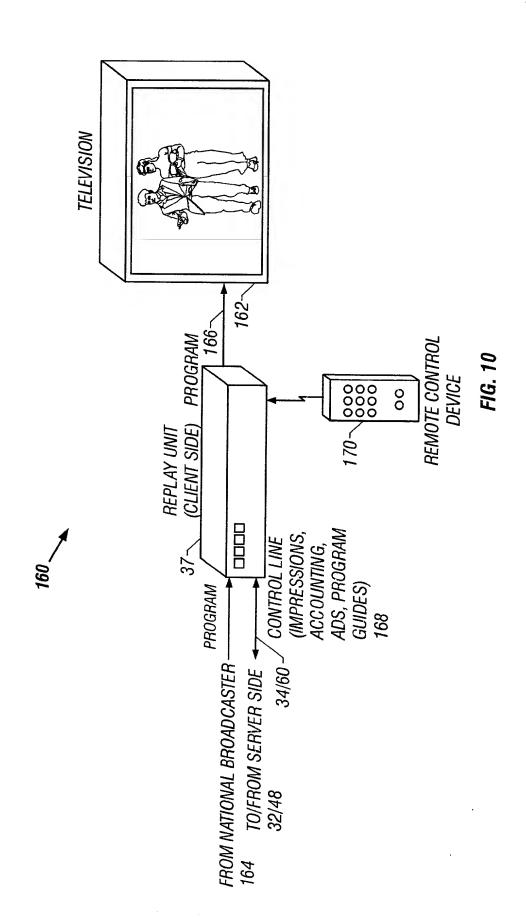


FIG. 9

APPLICATION NO: 09/925,109 Filed: August 8, 2001 Inventors: Millard E. Sweatt III et al.

Title: Method & System for Remote Television

Sheet 4 or 34



-1.

**APPLICATION NO: 09/925,109** 

Filed: August 8, 2001

Inventors: Millard E. Sweatt III et al.

Title: Method & System for Remote Television

Replay Control Sheet 10 of 34

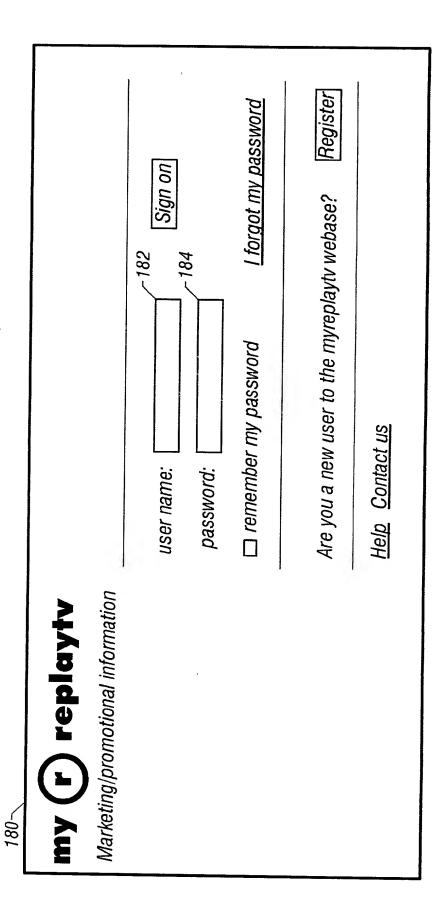


FIG. 11

19.

Filed: August 8, 2001

Inventors: Millard E. Sweatt III et al.

Title: Method & System for Remote Television

Replay Control Sheet 11 of 34

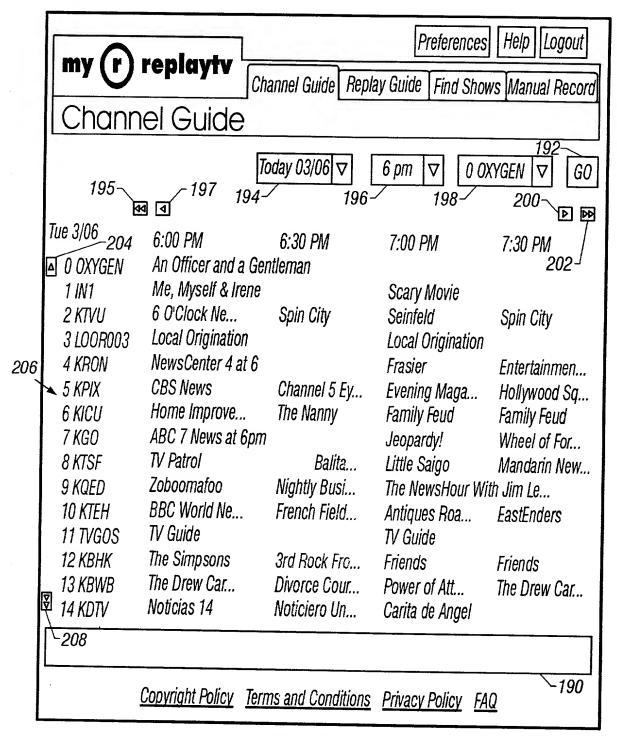


FIG. 12A

APPLICATION NO: 09/925,109
Filed: August 8, 2001
Inventors: Millard E. Sweatt III et al.
Title: Method & System for Remote Television
Replay Control
Sheet 12 or 34

View Description	View Description	2 KTVU $\triangledown$	Yesterday 8/17	4 PM $\triangledown$	1-15 V	
Record	Record	4 KRON	Todav 8/18 □	5 PM	16-30	
Record all episodes 。。	Record future episodes ••	5 KPIX	SAT 8/19	6 PM	31-45	
Record + change options	Record + change options	6 FAM	SUN 8/20	7 PM	46-60	
Find all episodes	Find all episodes	7 KGO	MON 8/21	8 PM	61-75	
Close	Why can't I record?	8 KRCB	TUE 8/22	9 PM	06-92	
218-	Close	9 KQED	WED 8/23	10 PM	91-105	
View Description	222	10 KDTV	THU 8/24	11 PM	106-120	
Find all episodes		11 KICU	FRI 8/25	12 AM	121-145	
Turn off recording		12 KBHK	212 214		146	
Change record options		13 KBWB		216~		
Close		14 CNN				
220-/	210	15 DISN				
		16 QV				í.

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APPLICATION NO: 09/925,109
Filed: August 8, 2001
Inventors: Millard E. Sweatt III et al.
Title: Method & System for Remote Television
Replay Control
Sheet 13 of 34

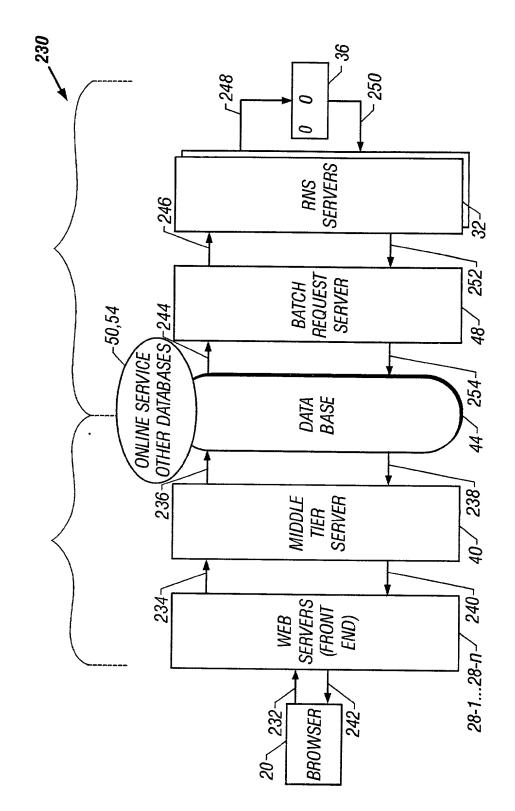


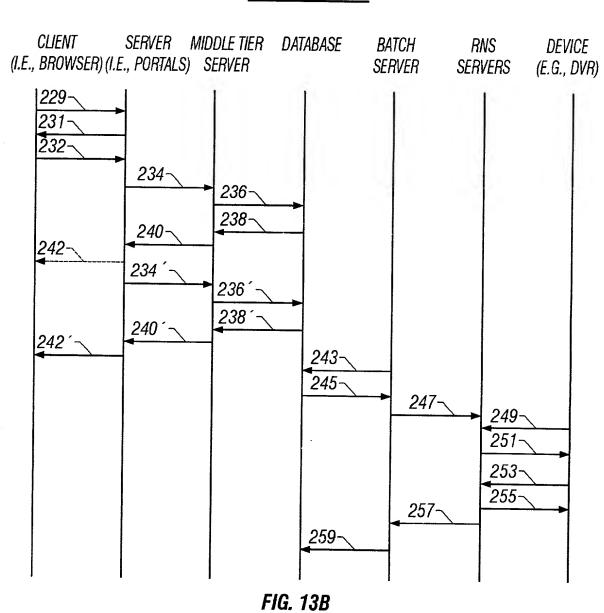
FIG. 13A

Inventors: Millard E. Sweatt III et al.
Title: Method & System for Remote Television

Replay Control

Sheet 14 of 34





Inventors: Millard E. Sweatt III et al.

Title: Method & System for Remote Television Replay Control
Sheet 15 of 34

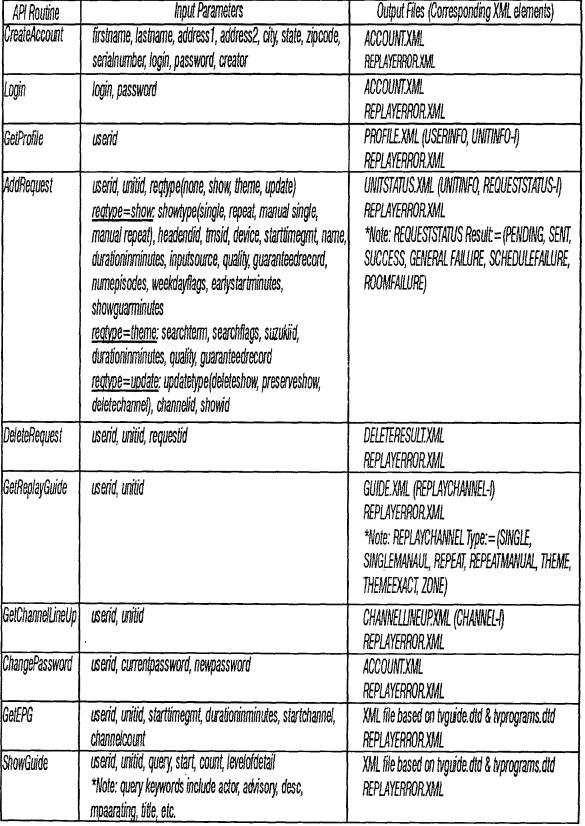
API Routine	Function
CreateAccount	Creates an account for a new user based on the information received
Login	Tries to authenticate a user based on the input username and password combination
GetProfile	Returns the profile of the user and his units based on his userid
AddRequest	Adds a request to the unit's list of pending requests based on a set of request parameters, and returns the full status of the unit and of the pending requests, including those for recording specified show(s) and deleting recorded show(s)
DeleteRequest	Delete a request from the user list of pending requests
GetReplayGuide	Returns the Replay Guide of the unit as saved in the appropriate database for the specified unit
GetChannelLineUp	Returns the channel lineup of the unit based on the unit's setting
ChangePassword	Lets the user changes his password
GetEPG	Returns the current electronic program guide for the unit based on the settings of the unit
ShowGuide	Returns detailed information about a specified show or search show details for particular shows based on criteria given as parameters

Filed: August 8, 2001

Inventors: Millard E. Sweatt III et al.

Title: Method & System for Remote Television

Replay Control
Sheet 15 of 34



Filed: August 8, 2001

Inventors: Millard E. Sweatt III et al.

Title: Method & System for Remote Television

Replay Control Sheet 17 of 34

460

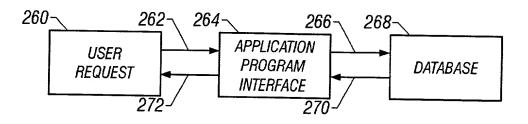


FIG. 16A

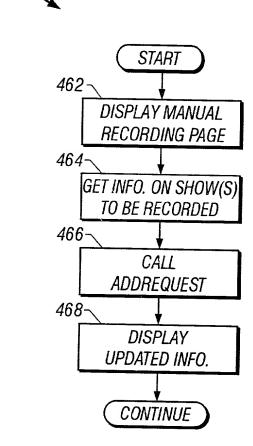


FIG. 25

Filed: August 8, 2001

Inventors: Millard E. Sweatt III et al.

Title: Method & System for Remote Television

Replay Control Sheet 18 of 34

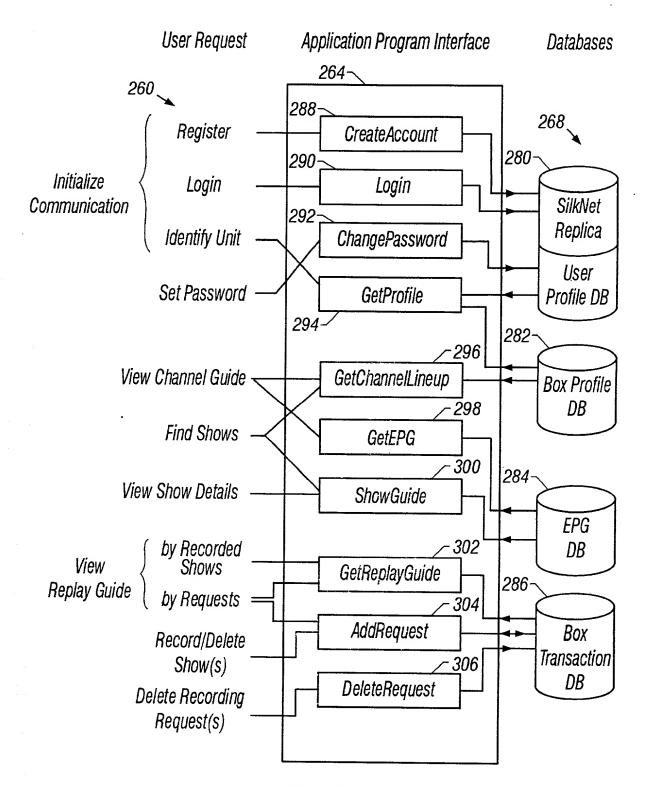


FIG. 16B

Inventors: Millard E. Sweatt III et al.
Title: Method & System for Remote Television

Replay Control Sheet 19 of 34

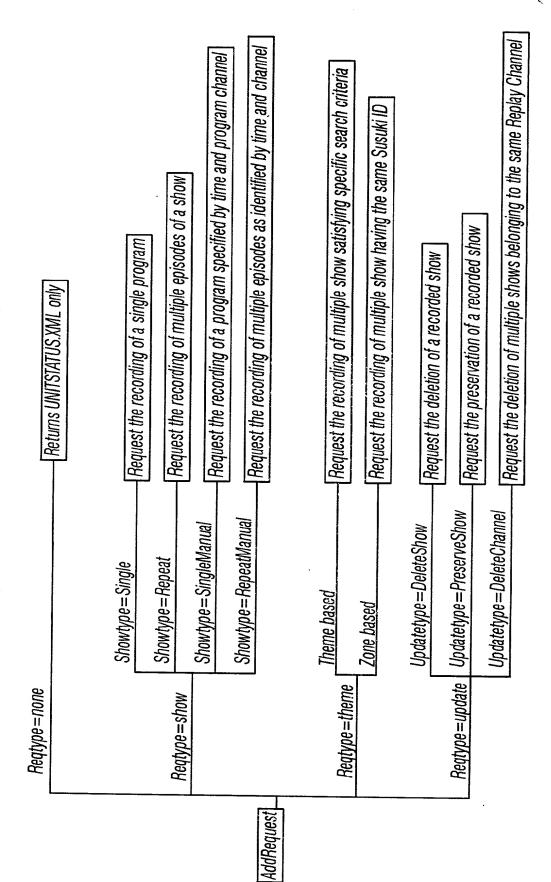


FIG. 17

<u>.</u>\$.

Filed: August 8, 2001

Inventors: Millard E. Sweatt III et al.

Title: Method & System for Remote Television

Replay Control Sheet 20 of 34

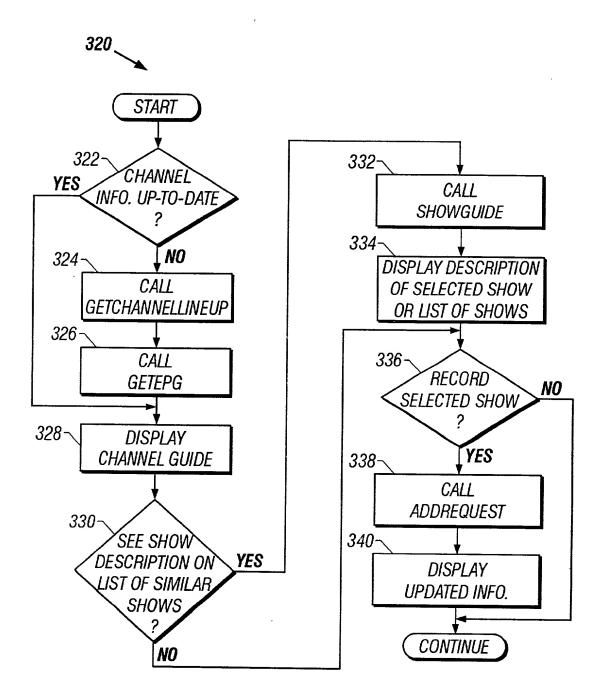


FIG. 18

APPLICATION NO: 09/925,109
Filed: August 8, 2001
Inventors: Millard E. Sweatt III et al.
Title: Method & System for Remote Television

Replay Control Sneet 21 of 34

			-		
my (r) repl	aytv		Į.	Preferences	Help Logout
, () icp.		Channel Guide	Replay Guide	Find Shows	Manual Record
Replay G	uide				
Replay Shows Replay	ay Channe	Is			350
Review and edit Delete Selected	your one Channels	time and recurring	g Replay TV red	quests	
Channel	Details	S		Status	Request
□ A Fistful of Dollars	schedui from Ch or aroui Guarant	gle record Replay led to record A Fis nannel 21 (TBS) or nd 7:00AM - 9:00 need at EXTENDED else is scheduled	stful of Dollars o Sun, 02/18 at AM. o quality.		Date 02/18
□ Blown Away	schedul Channel around S at EXTEN	gle record Replay ed to record Blow 42(USAP) on Tue 9:00PM - 11:30PI NDED quality. Not ed to record.	n Away from e, 01/16 at or M. Guaranteed	1	01/16
□ Cantonese News	continuo episode every (S Channel	w-based Replay Jusly record the 1 (s) of Cantonese I Jun, Mon, Tue, We 8(KTSF) at or aro Deed at EXTENDED	most current News occurring d, Thu, Fri, Sat und 8:00PM - 1	on	02/28
□ Captain January	schedule Channel 3:30AM	le record Replay ed to record Capta 49(AMC) on Tue, - 5:00AM. Guarai else is scheduled	nin January fron 01/09 at or arc Inteed at EXTEN	ound	01/09

APPLICATION NO: 09/925,109
Filed: August 8, 2001
Inventors: Millard E. Sweatt III et al.
Title: Method & System for Remote Television
Replay Control
Shee: 22 of 34

my (r	) replaytv		P	references	Help Logout
, (	) replayiv	Channel Guide	Replay Guide	Find Shows	Manual Record
Rep	lay Guide		'		
	nows Replay Channe	/s		***************************************	350
	nd edit recordings sav	red to your Repla	y TV unit		
		te Selected Char	nnels		
Channel	Show Title/Episode	Date/Time	Statio	n Duration	n Size
A Fistful of Dollars	□ A Fistful of Dollar	rs 02/18 7:00	OAM 21 TB:	S (2h)	6.46%
Blown Away	□ Blown Away	01/16 9:00	OPM 42 US	AP (2h 30m	8.07%
Captain January	□ Captain January	01/09 3:30	DAM 49 AM	IC (1h 30m	) 4.84%
Firewalker	□ Firewalker	02/27 8:00	OPM 21 TBS	S (2h)	6.46%
On Deadly Ground	□ On Deadly Groun	d 01/07 9:00	DPM 4 KRO	N (2h)	6.46%
Platoon	□ Platoon	02/04 8:00	1PM 37 TN1	TP (2h 30m)	) 8.07%
The Bridge on the River Kwai	□ The Bridge on the River Kwai	12/24 8:00	DAM 42 USA	AP (3h 30m)	) 11.30%
The Little Princess	□ The Little Princes	s 12/26 4:15.	AM 49 AM	C (1h 45m)	5.65%
The Trouble with Harry	□ The Trouble with Harry	12/18 1:05	PM 49 AM	C (1h 55m)	6.19%
Welcome to ReplayTV	□ Welcome to ReplayTV	09/08 10:4	9 <i>AM</i>	(15m)	2.42%

Inventors: Millard E. Sweatt III et al.

Title: Method & System for Remote Television

Replay Control Sheet 23 of 34

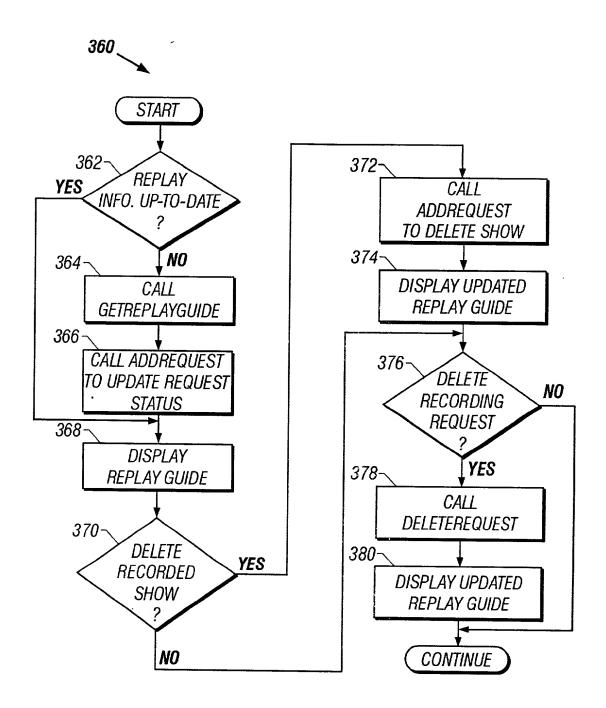


FIG. 20

Filed: August 8, 2001

Inventors: Millard E. Sweatt III et al.

Title: Method & System for Remote Television

Replay Control Sheet 24 of 34

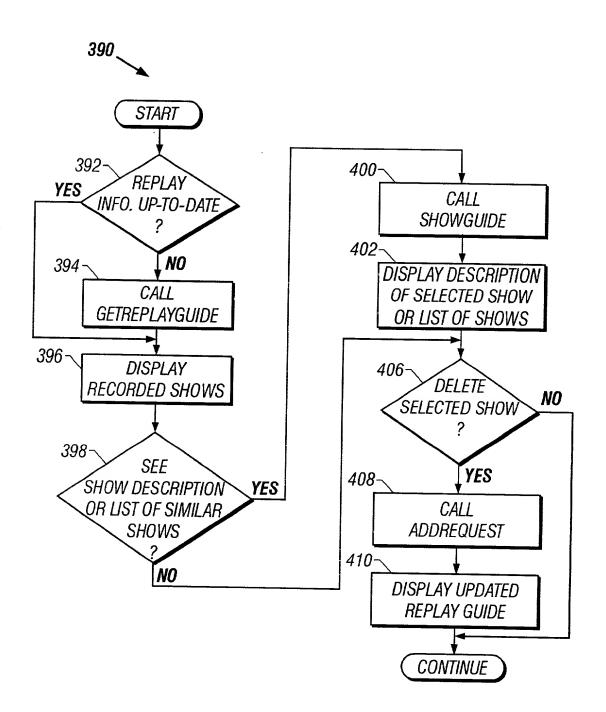


FIG. 21

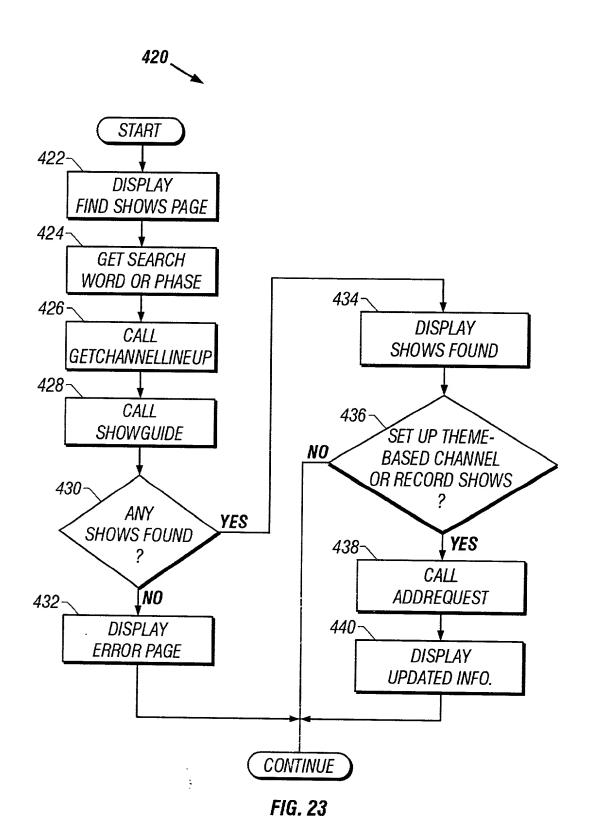
APPLICATION NO: 09/925,109
Filed: August 8, 2001
Inventors: Millard E. Sweatt III et al.
Title: Method & System for Remote Television
Replay Control
Sheet 25 of 34

my (1) non-lawyh.	Preferences	Help Logout
AI Á BI	Channel Guide Replay Guide Find Shows	Manual Record
Find Shows		
Find:  Enter the word or phrase that you wish to find.	in these categories: ☑ Show Titles ☐ Actors ☑ Descriptions ☐ Directors	Find Shows
Copyright Policy Te	Copyright Policy Terms and Conditions Privacy Policy FAQ	

Inventors: Millard E. Sweatt III et al.

Title: Method & System for Remote Television

Replay Control Sneet 26 of 34



Inventors: Millard E. Sweatt III et al.

Title: Method & System for Remote Television

Replay Control
Sheet 27 of 34

Manual Record Logout Help Preferences FAO Channel Guide |Replay Guide| Find Shows Privacy Policy Copyright Policy Terms and Conditions | Recording duration: 2001 0 Submit Request Single Recording Repeat Recording Manual Record my (r) replaytv Start Date Mar  $\nabla$  7  $\nabla$ Start Time : | AM| \(\neq\) End Time : | AIM| O OXYGEN | Extended Guaranteed Yes | v Channe! Quality

FIG. 24A

APPLICATION NO: 09/925,109
Filed: August 8, 2001
Inventors: Millard E. Sweatt III et al.
Title: Method & System for Remote Television
Replay Control
Sheet 28 of 24

my (F) replayty   Channel Guide Find Shows   Manual Record   Replay Guide   Logout
Manual Recording Repeat Recording
Days DiMon to Tue Di Wed Di Thu Di Fri Di Sat Di Sun
Start Time 7:58 PMV End Time 11:02 PMV
Channel 4 KRON [V
Quality Standard $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$
Guaranteed   Yes
Submit Request)

Filed: August 8, 2001

Inventors: Millard E. Sweatt III et al.
Title: Method & System for Remote Television

Replay Control Sheet 29 of 34

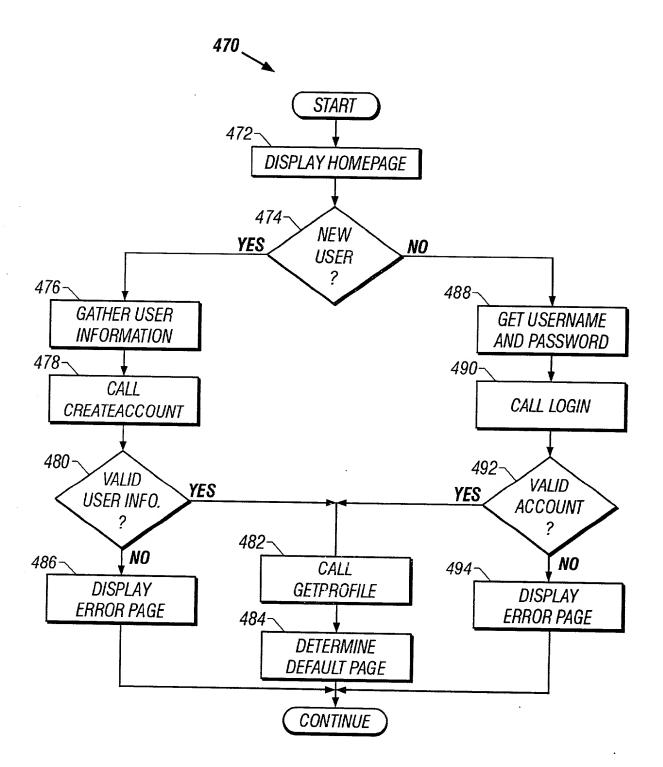


FIG. 26

Inventors: Millard E. Sweatt III et al.

Title: Method & System for Remote Television

Replay Control Sheet 30 of 34



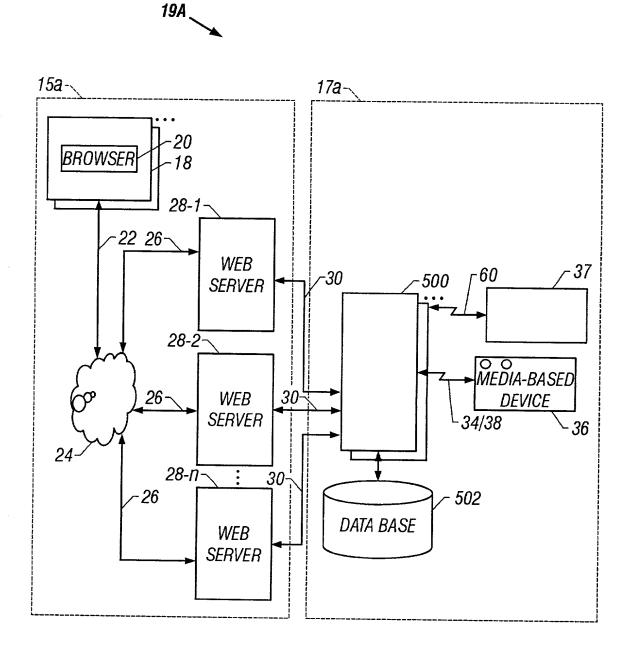
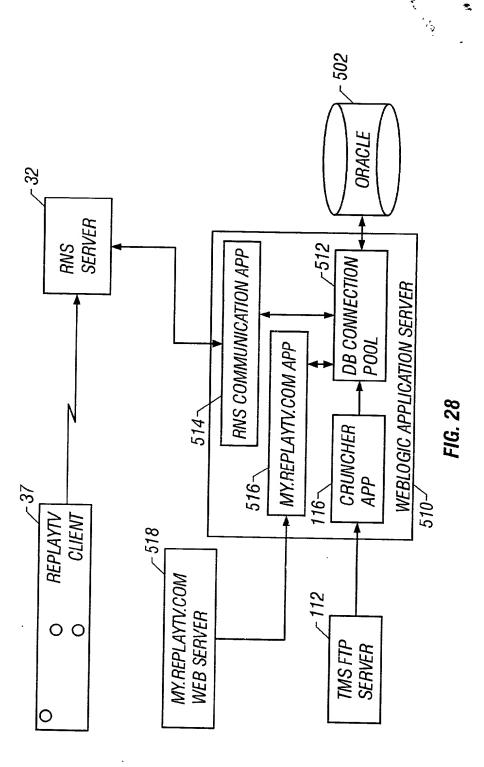
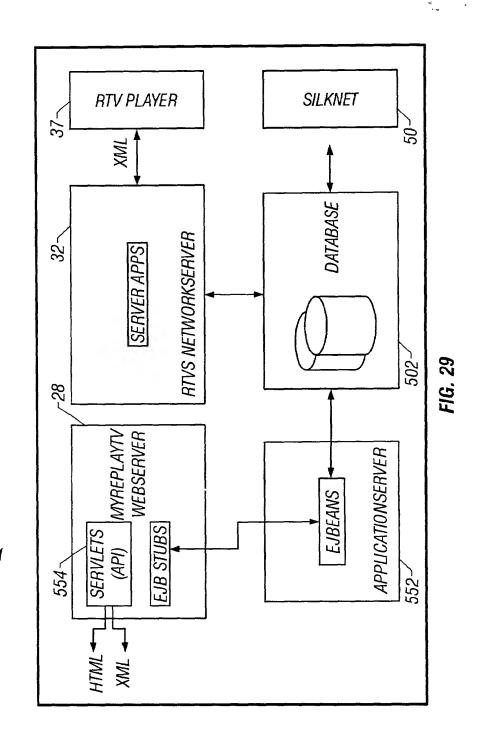


FIG. 27

APPLICATION NO: 09/925,109
Filed: August 8, 2001
Inventors: Millard E. Sweatt III et al.
Title: Method & System for Remote Television
Replay Control
Sheat 31 of 34



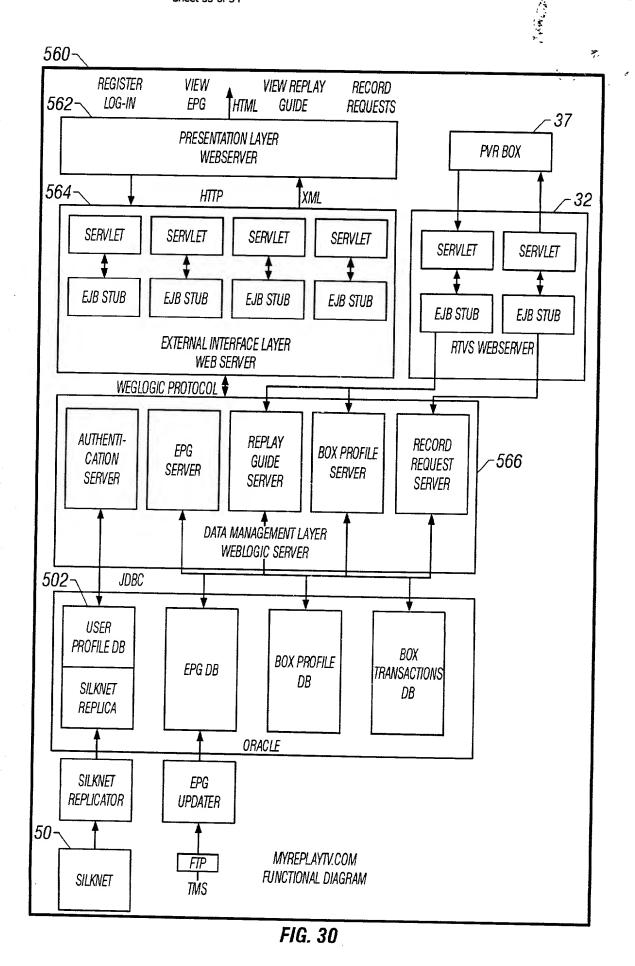
APPLICATION NO: 09/925,109
Filed: August 8, 2001
Inventors: Millard E. Sweatt III et al.
Title: Method & System for Remote Television
Replay Control
Sneet 32 of 34



APPLICATION NO: 09/925,109 Filed: August 8, 2001 Inventors: Millard E. Sweatt III et al.

Title: Method & System for Remote Television

Replay Control Sheet 33 of 34



APPLICATION NO: 09/925,109
Filed: August 8, 2001
Inventors: Millard E. Sweatt III et al.
Title: Method & System for Remote Television

Replay Control Sheet 34 of 34

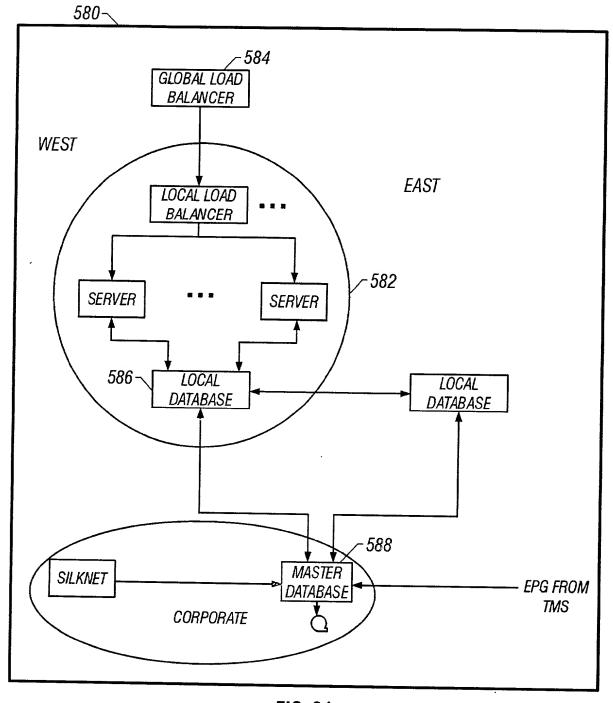


FIG. 31